

ABSTRACT OF THE DISCLOSURE

A gyroscopic mixer is disclosed which features a direct drive connection to a motor and a clamping mechanism which enables the mixer to accommodate containers of various sizes and configurations. The motor is connected 5 to a drive shaft which is connected to a first bracket. The motor imparts rotation to the bracket about a first axis. An annular gear and single pulley belt is utilized to impart rotation about a second axis that is substantially perpendicular to the first axis for a gyroscopic mixing motion.